## **REFERENCES**

Achman, D.R., K.C. Hornbuckle, and S.J. Eisenreich. 1992. Volatization of polychlorinated biphenyls from Green Bay, Lake Michigan. Environ. Sci. Technol. 27:75-87.

Agency for Toxic Substances and Disease Registry (ATSDR). 1988. Toxicological profile for benzo(a)pyrene. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1989a. Toxicological profile for chlordane. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1989b. Toxicological profile for 2,3,7,8-tetrachlorodibenzo-p-dioxin. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1990a. Toxicological profile for hexachlorobenzene. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1990b. Toxicological profile for polycyclic aromatic hydrocarbons. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1990c. Toxicological profile for toxaphene. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1992a. Toxicological profile for cadmium. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1992b. Toxicological profile for chlorinated dibenzofurans. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1992c. Toxicological profile for DDT, DDE, and DDD. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1992d. Toxicological profile for polychlorinated biphenyls. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1993a. Toxicological profile for lead. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1993b. Toxicological profile for aldrin/dieldrin. U.S. Department of Health and Human Services, U.S. Public Health Services, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1994a. Toxicological profile for  $\alpha$ ,  $\beta$ -,  $\gamma$ , and  $\delta$ -hexachlorocyclohexane. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1994b. Toxicological profile for mercury. U.S. Department of Health and Human Services, U.S. Public Health Service, Washington, D.C.

Agency for Toxic Substances and Disease Registry (ATSDR). 1994c. Toxicological profile for toxaphene. Update (draft for public comment). U.S. Department of Health and Human Services, Public Health Service, Washington, D.C.

Allardice, D.R., and S. Thorp. 1995. The 1994 State of the Lakes Ecosystem Conference (S.O.L.E.C.) Background Paper: A changing Great Lakes economy: Economic and environmental linkages. Environment Canada and U.S. EPA. EPA 905-R-95-017.

Ankley, G.T., R.D. Johnson, G. Toth, L.C. Folmar, N.E. Detenbeck, and S.P. Bradbury. 1997. Development of a research strategy for assessing the ecological risk of endocrine disruptors. Rev. Toxicol. Ser. B.: Environ. Toxicol.

Arkoosh, M.R., E. Clemons, M. Myers, and E. Castillas. 1994. Suppression of B-cell mediated immunity in juvenile chinook salmon after exposure to either a polycyclic aromatic hydrocarbon or to polychlorinated biphenyls. Immunopharmacol. Immunotoxicol. 16(2):293-314.

Armstrong, M. 1994. Notes from Mike Armstrong, Fisheries Commission, Little Rock, AR. March 1994.

Arnold, S.F., D.M. Klotz, B.M. Collins, P.M. Vonier, L.J. Guillette Jr., and J.A. McLachlan. 1996. Synergistic activation of estrogen receptor with combinations of environmental chemicals. Science 272:1489-1492.

Asman, W.A.H. 1994. Emission and deposition of ammonia and ammonium. Nova Act Leopoldina, NF 70, 288, 263-297.

Bäcklin, B.M., and A. Bergman. 1992. Morphological aspects on the reproductive organs in female mink mustela-vison exposed to PCBs and fractions thereof. Ambio 21(8):596-601.

Baker, J.E., and S.J. Eisenreich. 1990. Concentrations and fluxes of polycyclic aromatic hydrocarbons and polychlorinated biphenyls across the air-water interface of Lake Superior. Environ. Sci. Technol. 24:342-352.

Baker, J.E., T.M. Church, S.J. Eisenreich, W.F. Fitzgerald, and J.R. Scudlark. 1993. Relative atmospheric loadings of toxic contaminants and nitrogen to the Great Waters. EPA-453/R-94-086.

Baker, J.E., ed. 1997 (in press). Atmospheric deposition of contaminants to the Great Lakes and coastal waters. Proceedings from a session at the Society of Environmental Toxicology and Chemistry's (SETAC's) 15th Annual Meeting; October 30-November 3, 1994; Denver, CO. SETAC Press, Pensacola, FL.

Baker, J.E., D.L. Poster, C.A. Clark, T.M. Church, J.R. Scudlark, J.M. Ondov, R.M. Dickhut, and G. Cutter. 1997 (in press). Loadings of atmospheric trace elements and organic contaminants to the Chesapeake Bay. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Barnea E.R., and R. Shurtz-Swirski. 1992. Modification of pulsatile human chorionic gonadotrophin secretion in first trimester placental explants induced by polycyclic aromatic hydrocarbons. Human Reprod. 7(3):305-310.

Barr, J.F. 1996. Population dynamics of the common loon (Gavia immer) associated with mercury-contaminated waters in northwestern Ontario. Occasional Paper No. 56, Canadian Wildlife Service.

Barrón, S., J.M. Tusell, and J. Serratosa. 1993. Effect of gamma-hexachlorocyclohexane in calmodulin gene expression in the central nervous system. Abstract. Society for Neuroscience 19(1-3):1888.

Batiuk, R., R.J. Orth, K. Moore, W. Dennison, J.C. Stevenson, L. Staver, V. Carter, N. Rybicki, E. Hickman, S. Kollar, S. Bieber, P. Bergstrom, and P. Heasly. 1992. Chesapeake Bay submerged aquatic vegetation habitat requirements and restoration targets: A technical synthesis. Chesapeake Bay Program. Annapolis, MD.

Battelle. 1995. Unpublished data collected under Work Assignment 133, EPA Contract No. 68-C2-0134, TRIADS program.

Baturo, W., L. Lagadic, and T. Caquet. 1995. Growth, fecundity and glycogen utilization in Lymnaea Palustris exposed to atrazine and hexachlorobenzene in freshwater mesocosms. Environ. Toxicol. Chem. 14(3):503-511.

Baumann, P.C., and J.C. Harshbarger. 1995. Decline in liver neoplasms in wild brown bullhead catfish after coking plant closes and environmental PAHs plummet. Environ. Health Perspect. 103(2):168-170.

Becker, P.H., S. Schuhmann, and C. Koepff. 1993. Hatching failure in common terns (Sterna hirundo) in relation to environmental chemicals. Environ. Pollut. 79(3):207-213.

Begley, S., and D. Glick. March 21, 1994. The estrogen complex. Newsweek, pp. 76-77.

Béland, P., S. DeGuise, C. Girard, A. Lagacé, D. Martineau, R. Michaud, D.C.G. Muir, R.J. Norstrom, É. Pelletier, S. Ray, and L.R. Shugart. 1993. Toxic compounds and health and reproductive effects in St. Lawrence beluga whales. J. Great Lakes Res. 19(4):766:775.

Bergeron, J.M., D. Crews, and J.A. MacLachlan. 1994. PCBs as environmental estrogens: Turtle sex determination as a biomarker of environmental contamination. Environ. Health Perspect. 102(9):780-781.

Bern, H.A. 1992. The fragile fetus. Adv. Mod. Environ. Toxicol. 21:9-15.

Binkowski, F.S., and U. Shankar. 1993. The regional particulate model: Part 1, Model description and preliminary results. J. Geophys. Res. 26:191-209.

Birnbaum, L.S. 1994. Endocrine effects of prenatal exposure to PCBs, dioxins, and other xenobiotics: Implications for policy and future research. Environ. Health Perspect. 102:666-668.

Bloom, N.S. 1992. On the chemical form of mercury in edible fish and marine invertebrate tissue. Can. J. Fish. Aquat. Sci. 49:1010-1017.

Bloom, N.S., and C.J. Watras. 1989. Observation of methylmercury in precipitation. Science Total Environ. 87/88:199-207.

Booz-Allen and Hamilton. 1991. Commercial marine vessel contribution to emission inventories. Final report to U.S. EPA Motor Vehicle Emission Laboratory, Ann Arbor, MI. October 7, 1991.

Bourque, A., A. Singh, A. Dykeman, A. MacMahon, and W. Foster. 1994. Hexachlorobenzene at low doses produces lesions in nonhuman primate ovary. Abstract. Experientia 50:A87.

Bowerman, W.W., J.P. Giesy, D.A. Best, and V.J. Kramer. 1995. A review of factors affecting productivity of bald eagles in the Great Lakes region: Implications for recovery. Environ. Health Perspect. 103(Suppl 4):51-59.

Boynton, W.R., J.H. Garber, R. Summers, and W.M. Kemp. 1995. Inputs, transformations, and transport of nitrogen and phosphorus in Chesapeake Bay and selected tributaries. Estuaries 18:285-314.

Brock, D.A., J. Matsumoto, and N. Boyd. 1995. A nitrogen budget for the Guadalupe Estuary, Texas, over a range of freshwater inflow. Contrib. in Mar. Sci.

Brooks, J.M., T.L. Wade, M.C. Dennicutt, D.A. Wiesenburg, D. Wilkinson, T.J. McDonald, and S.J. McDonald. 1992. Toxic contaminant characterization of aquatic organisms in Galveston Bay: A pilot study. For the Galveston Bay National Estuary Program. Publication No. GBNEP-20. Webster, TX.

Bullock, O.R., Jr., W.G. Benjey, and M.H. Keating. 1997 (in press). Modeling of regional scale atmospheric mercury transport and deposition using RELMAP. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Burke, J., M. Hoyer, G. Keller, and T. Scherbatskoy. 1995. Wet deposition of mercury and ambient mercury concentrations at a site in the Lake Champlain Basin. Water Air Soil Pollut. 80:353-362.

Burke, J.M. and G.J. Keeler. 1995. Atmospheric mercury in the Great Lakes region: Spatial and seasonal differences in gas- and particle-phase mercury concentrations. Proceedings of the Fourth International Conference on Mercury as a Global Pollutant. August 1996.

Cassidy, R.A., C.V. Vorhees, D.J. Minnema, and L. Hastings. 1994. The effects of chlordane exposure during pre- and postnatal periods at environmentally relevant levels on sex steroids-mediated behaviors and functions in the rat. Toxicol. Appl. Pharmacol. 126(2):326-337.

Cerco, C.F., B. Bunch, M.A. Cialone, and H. Wang. 1994. Hydrodynamics and eutrophication model study of Indian River and Rehoboth Bay, Delaware. Prepared for U.S. EPA, Delaware DNREC, and U.S. Army Engineer District. Philadelphia, PA.

Cerco, C.F., and T. Cole. 1994. Application of the three-dimensional eutrophication model CE-QUAL-ICM to Chesapeake Bay. U.S. Corps of Engineers Waterways Experiment Station. Vicksburg, MS.

Chang, J.S., F.S. Binkowski, N.L. Seaman, D.W. Byun, J.N. McHenry, P.J. Samson, W.R. Stockwell, C.J. Walcek, S. Madronich, P.B. Middleton, J.E. Pleim, and H.L. Landsford. 1990. The regional acid deposition model and engineering model, NAPAP SOS/T Report 4. In: Acidic deposition: State of science and technology, Volume I. National Acid Precipitation Assessment Program, Washington, D.C.

Chen, Y., and C. Hsu. 1994. Effects of prenatal exposure to PCBs on the neurological function of children: A neuropsychological and neurophysiological study. Develop. Medicine and Child Neurology 36(4):312-320.

Chesapeake Bay Program (CBP). 1987. A steady-state coupled hydrodynamic/water quality model of the eutrophication and anoxia processes in Chesapeake Bay. Chesapeake Bay Program Office, Annapolis, MD.

Chesapeake Bay Program (CBP). 1988. Technical appendix to a commitment renewed - restoration progress and the course ahead under the 1987 Bay Agreement. Chesapeake Bay Program Office, Annapolis, MD.

Chesapeake Bay Program (CBP). 1992. Memorandum from Robert Perciasepe to Chesapeake Bay Program principal staff committee. September 30, 1992.

Chesapeake Bay Program (CBP). 1994a. Achieving the Chesapeake Bay nutrient goals: a synthesis of tributary strategies for the Bay's ten watersheds. Chesapeake Bay Program, Annapolis, MD.

Chesapeake Bay Program (CBP). 1994b. Chesapeake Bay basinwide toxics reduction strategy reevaluation report. Chesapeake Bay Program, Annapolis, MD. CBP/TRS 117/94.

Chesapeake Bay Program (CBP). 1995a. Atmospheric loadings to coastal areas: Resolving existing uncertainties. A report of the Atmospheric Loadings Workshop; June 29-30, 1994; Baltimore, MD. Air Quality Coordination Group and Scientific and Technical Advisory Committee, Chesapeake Bay Program.

Chesapeake Bay Program (CBP). 1995b. State of the Chesapeake Bay 1995. Annapolis, MD. 45 pp.

Chesapeake Executive Council. 1987. 1987 Chesapeake Bay Agreement. Annapolis, MD.

Chesapeake Executive Council. 1989. Chesapeake Bay basinwide toxics reduction strategy. Annapolis, MD.

Chesapeake Executive Council. 1992. Chesapeake Bay Agreement 1992 Amendments. Annapolis, MD.

Chesapeake Executive Council. 1994. Chesapeake Bay Basinwide Toxics Reduction and Prevention Strategy. Annapolis, MD. 8 pp.

Ching, J.K.S., F.S. Binkowski, and O.R. Bullock, Jr. 1997 (in press). Deposition of semivolatile toxic air pollutants to the Great Lakes: A regional modeling approach. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Chowdhury, R.A., B. Venkatkrishna, A.K. Gautam, and D.N. Gandhi. 1993. Lindane induced changes in epididymis, vas deferens and seminal vesicle in rats-histological and pharmacological study. Ind. J. Physiol. & Allied Sci. 47(4):176-183.

Clark, T.L., P. Blakely, and G. Mapp. 1992. Model calculations of the annual atmospheric deposition of toxic metals to Lake Michigan. 85th Annual Meeting of the Air and Water Management Association; June 23-27, 1992; Kansas City, MO.

Clayton, G.D., and F.E. Clayton, eds. 1994. Patty's industrial hygiene and toxicology. Fourth edition. Volume II, Part E, Toxicology. John Wiley & Sons, Inc.

Colborn, T., F.S. Vom Saal, and A.M. Soto. 1993. Developmental effects of endocrine disrupting chemicals in wildlife and humans. Environ. Health Perspect. 101:378-384.

Comba, M.E., J.L. Metcalfe-Smith, and K.L.E. Kaiser. 1996. Zebra mussels as biomonitors for organic contaminants in the lower Great Lakes. Water Qual. Res. J. 31(2):411-430.

Committee on Environment and Natural Resources (CENR). 1996. The health and ecological effects of endocrine disrupting chemicals: A framework for planning. National Science and Technology Council. November 22, 1996.

Conko, K.M. 1995. University of Delaware, College of Marine Studies, personal communication to EPA.

Connelly, N.A., and B. Knuth. 1993. Great Lakes fish consumption advisories: Angler response to advisories and evaluation of communication techniques. Great Lakes Protection Fund Final Report.

Constable, M., and P. Orr. 1994. Lethal and sub-lethal toxicity of lindane to Pimephales promelas and Ceriodaphnia dubia. Bull. Environ. Contam. Toxicol. 52(2):298-304.

Cornell, S., A. Rendell, and R. Jickells. 1995. Atmospheric inputs of dissolved organic nitrogen to the oceans. Nature 376:243-246.

Correll, D.L., and D. Ford. 1982. Comparison of precipitation and land runoff as sources of estuarine nitrogen. Estuar. Coastal and Shelf Science 15:45-56.

Crews, D., J.M. Bergeron, and J.A. MacLachlan. 1995. The role of estrogen in turtle sex determination and the effect of PCBs. Environ. Health Perspect. 103(Suppl.7):73-77.

Dana, M.T., and W.G.N. Slinn. 1988. Acidic deposition distribution and episode statistics from the MAP3S network database. Atmos. Environ. 22:1469-74.

De Guise, S., D. Martineau, P. Béland, and M. Fournier. 1995. Possible mechanisms of action of environmental contaminants on St. Lawrence beluga whales (Delphinapterus leucas). Environ. Health Perspect. 103(Suppl. 4):73-77.

De Vault, D.S., P. Bertram, D.M. Whittle, and S. Rang. 1995. The 1994 State of the Lakes Ecosystem Conference (S.O.L.E.C) Background Paper: Toxic contaminants. Environment Canada and U.S. EPA. EPA 905-R-95-016.

De Vault, D.S., R. Hesselberg, P.W. Rodgers, and T.J. Feist. 1996. Contaminant trends in lake trout and walleye from the Laurentian Great Lakes. J. Great Lakes Res. 22(4):884-895.

Delaware Bays NEP. Personal communication with National Oceanic and Atmospheric Administration (NOAA). As cited in Valigura et al. 1996.

Dennis, R.L., W.R. Barchet, T.L. Clark, and S.K. Seilkop. 1990. Evaluation of regional acid deposition models (part 1), NAPAP SOS/T Report 5. In: Acidic deposition: State of science and technology. National Acid Precipitation Assessment Program, Washington, D.C. September 1990.

Dennis, R.L. 1997 (in press). Using the Regional Acid Deposition Model to determine the nitrogen deposition airshed of the Chesapeake Bay watershed. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Dennison, W.C., R.J. Orth, K.A. Moore, J.C. Stevenson, V. Carter, S. Kollar, P.W. Bergstrom, and R.A. Batiuk. 1993. Assessing water quality with submersed aquatic vegetation: Habitat requirements as barometers of Chesapeake Bay health. Bioscience 43(2):86-94.

Dewailly, E., J.J. Ryan, C. Laliberté, S. Bruneau, J-P Weber, S. Gingras, and G. Carrier. 1994. Exposure of remote maritime populations to coplanar PCBs. Environ. Health Perspect. 102(Suppl 1):205-209.

Dickman, M., I. Brindle, and M. Benson. 1992. Evidence of teratogens in sediments of the Niagara River watershed as reflected by chironomid (Diptera: Chironomidae) deformities. J. Great Lakes Res. 18(3):467-480.

DiPinto, L.M., B.C. Coull, and G.T. Chandler. 1993. Lethal and sublethal effects of the sediment associated PCB Aroclor 1254. Environ. Toxicol. Chem. 12(10):1909-1918.

DiToro, D.M., and J.J. Fitzpatrick. 1993. Chesapeake Bay sediment flux model. U.S. Army Corps of Engineers Waterways Experiment Station. Vicksburg, MS.

Donigian, A.S., Jr., B.R. Bicknell, L.C. Linker, J. Hannawald, C.H. Chang, and R. Reynolds. 1991. Watershed model application to calculate Bay nutrient loadings: Phase I findings and recommendations. Chesapeake Bay Program, Annapolis, MD.

Donigian, A.S., Jr., B.R. Bicknell, A.S. Patwardhan, L.C. Linker, C.H. Chang, and R. Reynolds. 1994. Watershed model application to calculate Bay nutrient loadings: Final findings and recommendations. Chesapeake Bay Program, Annapolis, MD.

Doust, L.L., J.L. Doust, and M. Biernacki. 1994. American wildcelery, Vallisneria americana as a biomonitor of organic contaminants in aquatic ecosystems. J. Great Lakes Res. 20(2):333-354.

Driscoll, C.T., C. Yan, C.L. Schofield, R. Munson, and J. Holsapple. 1994. The mercury cycle and fish in Adirondack lakes. Environ. Sci. Technol. 28:136A-143A.

Duce, R.A., P.S. Liss, J.T. Merrill, E.L. Atlas, P. Buat-Menard, B.B. Hicks, J.M. Miller, J.M. Prospero, R. Arimoto, T.M. Church, W. Ellis, J.N. Galloway, L. Hansen, T.D. Jicknells, A.H. Knap, K.H. Reinhardt, B. Scheider, A. Soudine, J.J. Tokos, S. Tsunogai, R. Wollast, and M. Zhou. 1991. The atmospheric input of trace species to the world ocean. Global Biogeochem. Cycles 5:193-259.

Dunier, M., and A.K. Siwicki. 1994. Effects of lindane exposure on rainbow trout (Oncorhynchus mykiss) immunity. I. Effect of Lindane on antibody-secreting cells (ASC) measured by ELISPOT assay. Ecotox. & Envir. Safety 27:1-6.

Dunier, M., A.K. Siwicki, J. Scholtens, S. Dal Molin, C. Vergnet, and M. Studnicka. 1994. Effects of lindane exposure on rainbow trout (Oncorhynchus mykiss) immunity. III. Effect on nonspecific immunity and B lymphocyte functions. Ecotox. & Envir. Safety 27:324-334.

East Coast Atmospheric Resource Alliance (ECARA). 1996. Airsheds and Watersheds - The role of atmospheric nitrogen deposition. A report of the Shared Resources Workshop; October 11-12, 1995; Warrenton, VA.

Eder, B.K., D.H. Coventry, T.L Clark, and C.E. Bollinger. 1986. RELMAP: A regional Lagrangian model of air pollution - user's guide. Final Project Report. U.S. EPA, Research Triangle Park, NC. EPA 600/8-86/013.

Eisenreich, S.J., and W.M.J. Strachan. 1992. Estimating atmospheric deposition of toxic substances to the Great Lakes - An update. Report on a workshop held at the Canada Centre for Inland Waters; January 31-February 2, 1992; Burlington, Ontario. Sponsored by the Great Lakes Protection Fund and Environment Canada.

Eisenreich, S.J., K.C. Hornbuckle, and D.R. Achman. 1997 (in press). Air-water exchange of semivolatile organic chemicals in the Great Lakes. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Eisler, R. 1985. Cadmium hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R. 1986a. Polychlorinated biphenyl hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R. 1986b. Dioxin hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R. 1987a. Mercury hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R. 1987b. Polycyclic aromatic hydrocarbon hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R. 1988. Lead hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R. 1990. Chlordane hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Eisler, R., and J. Jacknow. 1985. Toxaphene hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service. Laurel, MD.

Engstrom, D.R., E.B. Swain, T.A. Henning, M.E. Brigham, and P.L. Brezonick. 1994. Atmospheric mercury deposition to lakes and watersheds: A quantitative reconstruction from multiple sediment cores. In: Environmental Chemistry of Lakes and Reservoirs, J.E. Baker, ed.:33-66.

Ensor, K.L., D.D. Helwig, and L.C. Wemmer. 1992. Environmental mercury and lead in Minnesota common loons (Gavia immer). Minnesota Pollution Control Agency, Water Quality Division, St. Paul, MN.

Environment Canada and U.S. EPA. 1996. State of the Lakes Ecosystem Conference '96 (SOLEC). Conference Proceedings. November 6-8, 1996. Windsor, Ontario, Canada.

Environment Canada and U.S. EPA. 1995. State of the Great Lakes 1995. By the Governments of the United States of America and Canada. EPA 905-R-95-010. July 1995.

Environment Canada, Department of Fisheries and Oceans, and Health and Welfare Canada. 1991. Toxic chemicals in the Great Lakes and associated effects. Toronto, Ontario.

Eriksson, P., J. Ahlbom, and A. Fredriksson. 1992. Exposure to DDT during a defined period in neonatal life induces permanent changes in brain receptors and behavior in adult mice. Brain Res. 582(2):277-281.

Eriksson, P., U. Johansson, J. Ahlbom, and A. Fredriksson. 1993. Neonatal exposure to DDT induces increased susceptibility to pyrethroid exposure at adult age. Changes in cholinergic muscarinic receptor and behavioral variables. Toxicology 77(1-2):21-30.

Facemire, C.F., T.S. Gross, and L.J. Guillette, Jr. 1995. Reproductive impairment in the Florida panther: Nature or nurture? Environ. Health Perspect. 103(Suppl 4):79-86.

Falconer, R.L., T.F. Bidleman, and W.E. Cotham. 1995. Preferential sorption of non- and mono-ortho-polychlorinated biphenyls to urban aerosols. Environ. Sci. Technol. 29:1666-1673.

Fedler, A.J., and D.M. Nickum. 1992. The 1991 economic impact of sport fishing in the United States. Prepared for the Sport Fishing Institute (SFI).

Ferrando, M.D., E. Sancho, and E. Andreu-Moliner. 1995. Effects on lindane on Daphnia magna during chronic exposure. Environ. Sci. Health B30(6):815-825.

Fisher, D.C., and M. Oppenheimer. 1991. Atmospheric nitrogen deposition and the Chesapeake Bay estuary. Ambio 20:102-108.

Fisher, D.C., J. Ceraso, T. Mathew, and M. Oppenheimer. 1988. Polluted coastal waters: The role of acid rain. Environmental Defense Fund, New York.

Fitchko, J. 1986. Literature review of the effects of persistent toxic substances on Great Lakes biota: Report of the Health of Aquatic Communities Task Force. International Joint Commission, Great Lakes Regional Office. Windsor, Ontario.

Fitzgerald, E.F., G. Hwang, K.A. Brix, B. Bush, and J. Quinn. 1993. Chemical contamination in the milk of Mohawk women from Akwesasne. New York State Department of Health, Albany, New York.

Fitzgerald, W.F., R.P. Mason, and G.M. Vandal. 1991. Atmospheric cycling and air-water exchange of mercury over mid-continental lacustrine regions. Water Air Soil Pollut. 56:745-767.

Flipo, D., J. Bernier, D. Girard, K. Krystyniak, and M. Fournier. 1992. Combined effects of selected insecticides on humoral immune response in mice. Int. J. Immunopharmac. 14(5):747-752.

Florida Panther Interagency Committee (FPIC). 1989. Mercury contamination in Florida panthers. Status report of the technical subcommittee.

Flouriot, G., F. Pakdel, B. Ducouret, and Y. Valotaire. 1995. Influence of xenobiotics on rainbow trout liver estrogen receptor and vitellogenin gene expression. J. Mol. Endocrinol. 15(2):143-151.

Folmar, L.C., N.D. Denslow, V. Rao, M. Chow, D.A. Crain, J. Enblom, J. Marcino, and L.J. Guillette, Jr. 1996. Vitellogenin induction and reduced serum testosterone concentrations in feral male carp (Cyrpinus carpio) captured near a major metropolitan sewage treatment plant. Environ. Health Perspect. 104(10):1096-1101.

Foster, G.D. 1995. George Mason University, Dept. of Chemistry. Personal communication to EPA.

Foster, W.G., A. McMahon, and D.C. Villeneuve. 1992a. HCB suppresses circulating progesterone concentrations during the luteal phase in the cynomolgus monkey. J. Appl. Toxicol. 12(1):13-18.

Foster, W.G., J.A. Pentick, A. McMahon, and P.R. Lecavalier. 1992b. Ovarian toxicity of HCB in the superovulated female rat. J. Biochem. Toxicology 7(1):1-4.

Fowler, D., and J.N. Cape. 1984. On the episodic nature of wet deposited sulfate and acidity. Atmos. Environ. 18:1859-1866.

Fox, G. 1993. What have biomarkers told us about the effects of contaminants on the health of fish-eating birds in the Great Lakes? The theory and a literature review. J. Great Lakes Res. 19(4):722-736.

Frithsen, J.B., S.P. Schreiner, D.E. Strebel, R.M. Laljani, D.T. Logan, and H.W. Zarbock. 1995a. Chemical contaminants in the Tampa Bay Estuary: A summary of distributions and inputs. Final Report for the Tampa Bay Estuary Program. Prepared by Versar Inc., Columbia, MD and Coastal Environmental, Inc., St. Petersburg, FL.

Frithsen, J.B., D.E. Strebel, S. Schreiner, and T. Schawitsch. 1995b. Estimates of contaminant inputs to the Delaware Estuary. Prepared for the Delaware Estuary Program, U.S. EPA, Philadelphia, PA. Prepared by Versar Inc., Columbia, MD.

Gala, W.R., and J.P. Giesy. 1992. Photo-induced toxicity of anthracene to the Green Alga, Selenastrum capricornutum. Arch. Environ. Contain. Toxicol. 23:316-323.

Galloway, J.N. 1985. The deposition of sulfur and nitrogen from the remote atmosphere. In: Biogeochemical cycling of sulfur and nitrogen in the remote atmosphere, J.N. Galloway, R.J. Charlson, M.O. Andreae, and H. Radke, eds. Dordrecht, Netherlands: D. Reidel Publishing Co.:27-53.

Gatz, D.F., C.W. Sweet, I. Basu, S. Vermette, K. Harlin, and S. Bauer. 1994. Great Lakes Integrated Atmospheric Deposition Network (IADN), Data Report 1990-1992. SWS Miscellaneous Publication 158, Illinois State Water Survey, Champaign, IL.

Geyer, H.J., I. Scheunert, R. Bruggemann, M. Matthies, C.E.W. Steinberg, V. Zitko, A. Kettrup, and W. Garrison. 1994. The relevance of aquatic organisms' lipid content to the toxicity of lipophilic chemicals: Toxicity of lindane to different fish species. Ecotox. & Envir. Safety 28:53-70.

Geyer, H.J., C.E. Steinberg, I. Scheunert, R. Bruggemann, W. Schutz, A. Kettrup, and K. Rozman. 1993. A review of the relationship between acute toxicity (LC<sub>50</sub>) of gammahexachlorocyclohexane (gamma-HCH, Lindane) and total lipid content of different fish species. Toxicology 83:169-179.

Gilbert, M.E., and C.M. Mack. 1995. Seizure thresholds in kindled animals are reduced by the pesticides lindane and endosulfan. Neurotoxicol. Teratol. 17(2):143-150.

Glassmeyer, S.T., D.S. De Vault, T.R. Myers, and R.A. Hites. 1997. Toxaphene in Great Lakes fish: A temporal, spatial, and trophic study. Environ. Sci. Technol. 31:84-88.

Godbold, D.L. 1991. Mercury-induced root damage in spruce seedlings. Water Air Soil Pollut. 56:823-831.

Godfrey, J.T., G.D. Foster, and K.A. Lippa. 1995. Estimated annual loads of selected organic contaminants to Chesapeake Bay via a major tributary.

Goldey, E.S., and D.H. Taylor. 1992. Developmental neurotoxicity following premating maternal exposure to hexachlorobenzene in rats. Neurotoxicol. Teratol. 14:15-21.

Golomb, D., D. Ryan, N. Eby, J. Underhill, and T. Wade. 1995. Atmospheric deposition of toxic metals and polyaromatic hydrocarbons onto Massachusetts Bay. Draft. Massachusetts Bays Program Office, Boston, MA.

Gopal, K., M. Anand, R.N. Khanna, D. Agarwal, G.S.D. Gupta, and K. Shanker. 1992. Some neurotoxicological consequences of hexachlorocyclohexane (HCH) stress in rats fed on protein deficient diet. Toxicol. Environ. Chem. 36(1-2):57-63.

Gorzelska, K., J.R. Scudlark, and W.C. Keene. 1997 (in press). Dissolved organic nitrogen in the atmospheric environment. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Government of Canada. 1994. Priority substances list assessment report: Hexachlorobenzene. Canadian Environmental Protection Act. Ottawa, Ontario. 52 pp.

Great Lakes National Program Office (GLNPO). 1995. Draft options paper: Virtual elimination of mercury. Virtual Elimination Project, Great Lakes National Program Office. June 1995.

Guillette, Jr., L.J., T.S. Gross, G.R. Masson, J.M. Matter, H.F. Percival, and A.R. Woodward. 1994. Developmental abnormalities of the gonad and abnormal sex hormone concentrations in juvenile alligators from contaminated and control lakes in Florida. Environ. Health. Perspect. 102(8):680-688.

Guillette, Jr., L.J., T.S. Gross, D.A. Gross, A.A. Rooney, and H.F. Percival. 1995. Gonadal steroidogenesis *in vitro* from juvenile alligators obtained from contaminated or control lakes. Environ. Health Perspect. 103(Suppl. 4):31-36.

Guillette, Jr., L.J., D.B. Pickford, D.A. Crain, A.A. Rooney, and H.F. Percival. 1996. Reduction in penis size and plasma concentrations in juvenile alligators living in a contaminated environment. General and Comparative Endocrinology 101:32-42.

Guo, Y.L, T.J. Lai, S.H. Ju, Y.C. Chen, and C.C. Hsu. 1993. Sexual developments and biological findings in Yucheng children. Dioxin '93: 13th International Symposium on Chlorinated and Related Compounds, September 1993, Vienna, Austria, vol 14:235-238.

Haffner, G.D. 1994. Exposure dynamics of organic contaminants in the western basin of Lake Erie. Great Lakes Research Review 1(1):115-21.

Hartigan, J.P. 1983. Chesapeake Bay Basin Model - Final Report. Prepared by the Northern Virginia Planning District Commission for the U.S. EPA Chesapeake Bay Program. Chesapeake Bay Program Office, Annapolis, MD.

Heinz, G.H., S.N. Wiemeyer, D.R. Clark, Jr., P. Albers, P. Henry, and R. Batiuk. 1992. Status and assessment of Chesapeake Bay wildlife contamination. Patuxent Wildlife Research Center, Laurel MD. U.S. EPA, Chesapeake Bay Program. CBP/TRS-80/92.

Helz, G.R., and R.J. Huggett. 1987. Contaminants in Chesapeake Bay: The regional perspective. In: Contaminant Problems and Management of Living Chesapeake Bay Resources, S.K. Majumdar, L.W. Hall Jr., and H.M. Austin, eds. Pennsylvania Academy of Science, Harrisburg, PA.

Henshel, D.S., J.W. Martin, R. Norstrom, P. Whitehead, J.D. Steeves, and K.M. Cheng. 1995. Morphometric abnormalities in brains of great blue heron hatchlings exposed in the wild to PCDDs. Environ. Health Perspect. 103(Suppl. 4):61-66.

Hermsen, W., I. Sims, and M. Crane. 1994. The bioavailability and toxicity to Mytilus edulis L. of two organochlorine pesticides adsorbed to suspended solids. Marine Environ. Res. 38:61-69.

Hileman, B. Jan. 31, 1994. Environmental estrogens linked to reproductive abnormalities, cancer. Chem. Eng. News 72(5):19-23.

Hill, S.D., and L. Nelson. 1992. Lindane (1,2,3,4,5,6-hexachlorocyclohexane) affects metamorphosis and settlement of larvae of *Capitella* species I (Annelida, Polychaeta). Biol. Bull. 183:376-377.

Hillery, B.R., R.M. Hoff, and R.A. Hites. 1997 (in press). Atmospheric contaminant deposition to the Great Lakes determined from the Integrated Atmospheric Deposition Network. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Hinga, K.R., A.A. Keller, and C.A. Oviatt. 1991. Atmospheric deposition and nitrogen inputs to coastal waters. Ambio 20:256-260.

Hoff, R.M., D.C.G. Muir, N.P. Grift, and K.A. Brice. 1993. Measurement of PCCs in air in Southern Ontario. Chemosphere 27:2057-2062.

Hoff, R.M., and K.A. Brice. 1994. Atmospheric dry deposition of PAHs and trace metals to Lake Ontario and Lake Huron. In: Proceedings of the 87th Annual Meeting of the Air and Waste Management Association, Pittsburgh, PA.

Hoff, R.M., W.M.J. Strachan, C.W. Sweet, D.F. Gatz, K. Harlin, M. Shackleton, S. Cussion, C.H. Chan, K.A. Brice, W.H. Shroeder, and T.F. Bidleman. 1996. Atmospheric deposition of toxic chemicals to the Great Lakes: A review of data through 1994. Atmos. Environ. 30(20):3505-3527.

Hoffman, D.J., G.J. Smith, and B.A. Rattner. 1993. Biomarkers of contaminant exposure in common terns and black-crowned night herons in the Great Lakes. Environ. Toxicol. Chem. 12(6):1095-1103.

Holladay, S.D., and M.I. Luster. 1994. Developmental immunotoxicology. Developmental Toxicology, 2nd ed.:93-118.

Holsen, T.M., K.E. Noll, S. Liu, and W. Lee. 1991. Dry deposition of PCBs in urban areas. Environ. Sci. Technol. 25:1075-1081.

Hovinga, M.E., M. Sowers, and H.E.B. Humphrey. 1993. Environmental exposure and lifestyle predictors of lead, cadmium, PCB, and DDT levels in Great Lakes fish eaters. Arch. Environ. Health 48(2):98-104.

Howard, P.H., ed. 1991. Handbook of environmental fate and exposure data for organic chemicals. Volume III, Pesticides. Lewis Publishers, Chelsea, MI.

Howdwshell, M.J., and R.A. Hites. 1996. Historical input and degradation of toxaphene in Lake Ontario sediments. Environ. Sci. Technol. 30(1):220-224.

Hoyer, M., J. Burke, and G.J. Keeler. 1995. Atmospheric sources, transport and deposition of mercury in Michigan: Two years of event precipitation. Water Air Soil Pollut. 80:199-208.

Huggett, R.J., P.A. Van Neld, C.L. Smith, W.J. Hargis, W.K. Volgelbein, and B.A. Weeks. 1992. The effects of contaminated sediments in the Elizabeth River. In: Sediment Toxicity Assessment, G.A. Burton, ed. Boca Raton, FL: Lewis Publishers:403-430.

Hughes, R.A. 1968. Persistence of toxaphene in natural waters. M.S. thesis, water chemistry program, Univ. of Wisconsin, Madison, WI.

Huseman, C.A., M.M. Varma, and C.R. Angle. 1992. Neuroendocrine effects of toxic and low blood lead levels in children. Pediatrics 90(2):186-189.

ICF Incorporated. 1991. Focus chemicals for the Clean Air Act Amendments Great Waters study. Draft. Prepared for Office of Air Quality Planning and Standards, U.S. EPA, Research Triangle Park, NC.

International Joint Commission (IJC). 1978. Great Lakes Water Quality Agreement of 1978. Windsor, Ontario.

International Joint Commission (IJC). 1995. 1993-1995 Priorities and Progress Under the Great Lakes Water Quality Agreement. Windsor, Ontario, Canada. August 1995. 184 pp.

Jacobsen, J.L., and S.W. Jacobsen. 1996. Intellectual impairment in children exposed to polychlorinated biphenyls in utero. New Engl. J. Med. 335(11):783-789.

Jeremiason, J.D., K.C. Hornbuckle, and S.J. Eisenreich. 1994. PCBs in Lake Superior, 1978-1992: Decreases in water concentrations reflect loss by volatilization. Environ. Sci. Technol. 28:903-914.

Johansson, U., A. Fredriksson, and P. Eriksson. 1993. Low dose effects of paraoxon in adult mice neonatally exposed to DDT - changes in behavior and cholinergic variables. Neurotoxicology 14(4):554.

Johnson, B.H., R.E. Heath, B.B. Hsieh, K.W. Kim, and H.L. Butler. 1991. Users guide for a three-dimensional numerical hydrodynamic, salinity, and temperature model of Chesapeake Bay. U.S. EPA Chesapeake Bay Program, Annapolis, Maryland.

Johnson, D.C., M. Sen, and S.K. Dey. 1992. Differential effects of dichlorodiphenyltrichloroethane analogs, chlordecone, and 2,3,7,8-tetrachlorodibenzo-p-dioxin on establishment of pregnancy in the hypophysectomized rat. Proceedings of the Society for Experimental Biology and Medicine 199:42-48.

Johnson, D.W., and S.E. Lindberg, eds. 1992. Atmospheric deposition and forest nutrient cycling. Ecological Series 91. New York: Springer-Verlag.

Johnson, L.L., C.M. Stehr, P.O. Olson, M.S. Myers, S.M. Pierce, G.A. Wigren, B.B. McCain, and U. Varanasi. 1993. Chemical contaminants and hepatic lesions in winter flounder from the Northeast Coast of the United States. Environ. Sci. Technol. 27(13):2759-2771.

Juberg, D.R., and R. Loch-Caruso. 1992. Investigation of the role of estrogenic action and prostaglandin E2 in DDT-stimulated rat uterine contractions ex vivo. Toxicology 74(2-3):161-172.

Kahl, J.S., S.A. Norton, I.J. Fernandez, K.J. Nadelhoffer, C.T. Driscoll, and J.D. Aber. 1993. Experimental inducement of nitrogen saturation at the watershed scale. Environ. Sci. Technol. 27(3):565-568.

Kang, K-S., M.R. Wilson, T. Hayashi, C-C. Chang, and J.E. Trosko. 1996. Inhibition of gap junctional intercellular communication in normal breast epithelial cells after treatment with pesticides, PCBs, and PBBs, alone or in mixtures. Environ. Health Perspect. 104(2):192-200.

Kavlock, R.J., G.P. Daston, C. DeRosa, P. Fenner-Crisp, L.E. Gray, S. Kaattari, G. Lucier, M. Luster, M.J. Mac, C. Maczka, R. Miller, J. Moore, R. Rolland, G. Scott, D.M. Sheehan, T. Sinks, and H.A. Tilson. 1996. Research needs for the risk assessment of health and environmental effects of endocrine disruptors: A report of the U.S. EPA-sponsored workshop. Environ. Health Perspect. 104(Suppl 4):715-740.

Keeler, G.J. 1994. Lake Michigan urban air toxics study. Funded by U.S. EPA, Atmospheric Research and Exposure Assessment Laboratory. EPA/600/SR-94/191.

Keeler, G.J., and M. Hoyer. 1997 (in press). Recent measurements of atmospheric mercury in the Great Lakes region. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Keeler, G.J., J.M. Pacyna, T.F. Bidleman, and J.O. Nriagu. 1993. Identification of sources contributing to the contamination of the Great Waters by toxic compounds. EPA-453/R-94-087.

Keeler, G., G. Glinsorn, and N. Pirrone. 1995. Particulate mercury in the atmosphere: Its significance, transport, transformation and sources. Water Air Soil Pollut. 80:159-168.

Keith, J.O., and C.A. Mitchell. 1993. Effects of DDE and food stress on reproduction and body condition of ringed turtle doves. Arch. Environ. Contam. Toxicol. 25(2):192-203.

Kelce, W.R., C.R. Stone, S.C. Laws, L.E. Grays, J.A. Kemppainen, and E.M. Wilson. 1995. Persistent DDT metabolite p,p'-DDE is a potent androgen receptor antagonist. Nature (London) 375(6532):581-585.

Kihlström, J.E., A. Johansson, J. Ahlbom, M. Olssen, S. Jensen, and A. Bergman. 1992. Effects of PCB and different fractions of PCB on the reproduction of the mink Mustela-Vison. Ambio 21(8):563-569.

Kilburn, K.H, and J.C. Thornton. 1995. Protracted neurotoxicity from chlordane sprayed to kill termites. Environ. Health Perspect. 103(7-8):690-694.

Kim, R., H. Hu, A. Rotnitzky, D. Bellinger, and H. Needleman. 1995. A longitudinal study of chronic lead exposure and physical growth in Boston children. Environ. Health Perspect. 103(10):952-957.

Kraak, M.H.S., D. Lavy, H. Schoon, M. Touissant, W.M. Peeters, and N.M. van Straalen. 1992. Chronic ecotoxicity of copper and cadmium to the zebra mussel Dreissena polymorpha. Arch. Environ. Contam. Toxicol. 23:363-369.

L'Italien, S. 1993. Organic contamination in the Great Lakes 1986-1990. Report No. EQB/TWD-OR/93-02-I. Environment Canada, Environmental Quality Branch, Ontario Region. Burlington, Ontario.

Lahvis, G.P., R.S. Wells, D.W. Kuehl, J.L. Stewart, H.L. Rhinehart, and C.S. Via. 1995. Decreased lymphocyte responses in free-ranging bottlenose dolphins (Tursiops truncatus) are associated with increased concentrations of PCBs and DDT in peripheral blood. Environ. Health Perspect. 103(Suppl 4):67-72.

Lai, T.J, Y.C Chen, W.J Chou, Y.L. Guo, H.C. Ko, and C.C. Hsu. 1993. Cognitive development in Yucheng children. Dioxin '93: 13th International Symposium on Chlorinated and Related Compounds, September 1993, Vienna, Austria, Vol. 14:247-252.

Lake Champlain Basin Program (LCBP). 1994. Opportunities for action: An evolving plan for the future of the Lake Champlain Basin. Lake Champlain Basin Program. Draft, October 1994.

Lake Champlain Basin Program (LCBP). 1996. Opportunities for action: An evolving plan for the future of the Lake Champlain Basin. Lake Champlain Basin Program. Draft, June 1996.

Lamborg, C.H., W.F. Fitzgerald, G.M. Vandal, and K.R. Rolfhus. 1995. Atmospheric mercury in northern Wisconsin: Sources and species. Water Air Soil Pollut. 80:189-198.

Langland, M. 1992. Atmospheric deposition of ammonia from open manure-storage lagoons in south-central Pennsylvania. Environ. Prof. 14:28-37.

Latimer, J.S. 1997 (in press). The significance of atmospheric deposition as a source of PCBs and PAHs to Narragansett Bay. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Lawrence, B.J. 1994. Mercury. Engineering and Mining Journal 195(3):21.

Leibold, E., and L.R. Schwarz. 1993. Inhibition of intercellular communication in rat hepatocytes by phenobarbital, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) and gamma-

hexachlorocyclohexane (lindane): Modification by antioxidants and inhibitors of cyclo-oxygenase. Carcinogenesis 14(11):2377-2382.

Leister, D.L., and J.E. Baker. 1994. Atmospheric deposition of organic contaminants to the Chesapeake Bay. Atmos. Environ. 28:1499-1520.

Leonzio, C., L. Marsili, and S. Focardi. 1992. Influence of cadmium on PCB congener accumulation in quail. Bull. Environ. Contam. Toxicol. 49:686-693.

Levy, H., and W.J. Moxim. 1987. Fate of U.S. and Canadian combustion nitrogen emissions. Nature 328:414-416.

Lindberg, S.E., T.P. Meyers, G.E. Taylor, Jr., R.R. Turner, and W.H. Schroeder. 1992. Atmosphere-surface exchange of mercury in a forest: Results of modeling and gradient approaches. J. Geophys. Res. 97(D2):2519-2528.

Lindenau, A., B. Fischer, P. Seiler, and H.M. Beier. 1994. Effects of persistent chlorinated hydrocarbons on reproductive tissues in female rabbits. Hum. Reprod. 9(5):772-780.

Linder, R.E., L.F. Strader, V.L. Slott, and J.D. Suarez. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod. Toxicol. 6:491-505.

Lindquist, O. 1991. Mercury in the Swedish environment. Recent research on causes, consequences and corrective measures. Water Air Soil Pollut. 55:1-261.

Linker, L.C., R.L. Dennis, and D.Y. Alegre. 1993. Impact of the Clean Air Act on Chesapeake Bay water quality. International Conference on the Environmental Management of Enclosed Coastal Seas (EMECS), Baltimore, MD, Maryland Sea Grant College.

Linker, L.C., C.G. Stigall, C.H. Chang, and A.S. Donigian. 1996. Aquatic accounting: Chesapeake Bay watershed model quantifies nutrient loads. Water Environ. Technol. 8(1):48-52.

Linker, L.C., and R.V. Thomann. 1996. Cross-media models of the Chesapeake Bay: Defining the boundaries of the problem. Watershed '96: A National Conference Watershed Management. Baltimore, MD.

Liss, P.S., and P.G. Slater. 1974. Flux of gases across the air-sea interface. Nature 247:181-194.

Lockhart, W.L., R. Wagemann, B. Tracey, D. Sutherland, and D.J. Thomas. 1992. Presence and implications of chemical contaminants in the freshwaters of the Canadian Arctic. Sci. Total Environ. 122:165-243.

Logan, J.A. 1983. Nitrogen oxides in the troposphere: Global and regional budgets. J. Geophys. Res. 88(C15):10785-10807.

Long, E.R., D. MacDonald, and C. Cairncross. 1991. Status and trends in toxicants and the potential for their biological effects in Tampa Bay, Florida. National Oceanic and Atmospheric Administration (NOAA), NOAA Technical Memorandum NOS OMA 58.

Long Island Sound Study. Personal communication with National Oceanic and Atmospheric Administration (NOAA). As cited in Valigura et al. 1996.

Long Island Sound (LIS) Study. 1990. Status report and interim actions for hypoxia management. December 1990.

Long Island Sound (LIS) Study. 1994. The Comprehensive Conservation and Management Plan. March 1994.

Lovett, G.M., and S.E. Lindberg. 1986. Dry deposition of nitrate to a deciduous forest. Biogeochem. 2:137-148.

Luke, W.T, and R.A. Valigura. 1997 (in press). Methodologies to estimate the air-surface exchange of atmospheric nitrogen compounds. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Malbouisson, J.F.C., T.W.K. Young, and A.W. Bark. 1994. Disruption of precopula in Gammarus pules as a result of brief exposure to gamma-hexachlorocyclohexane (lindane). Chemosphere 28(11):2011-2020.

Malone, T.C. 1992. Effects of water column processes on dissolved oxygen, nutrients, phytoplankton and zooplankton. In: Oxygen dynamics in the Chesapeake Bay, D.E. Smith, M. Leffler, and Mackiernan, eds. College Park, MD: Maryland Sea Grant Book.

Manno, J., S. Meyers, D. Riedel, and N. Trembely. 1995. 1994 State of the Great Lakes Ecosystem Conference (S.O.L.E.C.) Background Paper: Effects of Great Lakes basin contaminants on human health. Environment Canada and U.S. EPA. August 1995. EPA 905-R-95-013.

Maroni, M., and A. Fait. 1993. Health effects in man from long-term exposure to pesticides: A review of the 1975-1991 literature. Toxicology 78(1-3):1-180.

Massachusetts Bays NEP. 1996. 1996 Comprehensive Conservation and Management Plan, section on biological processes, and Program Fact Sheet No. 6.

McConnachie, P.R., and A.C. Zahalsky. 1992. Immune alterations in humans exposed to the termiticide technical chlordane. Arch. Environ. Health 47(4):295-301.

McConnell, L.L., W.E. Catham, and T.F. Bidleman. 1992. Gas exchange of hexachlorohexane in the Great Lakes. Environ. Sci. Technol. 27:1304-1311.

McGroddy, S.E., and J.W. Farrington. 1995. Sediment porewater partitioning of polycyclic aromatic hydrocarbons in three cores from Boston Harbor, Massachusetts. Environ. Sci. Technol. 29:1542-1550.

McIntosh, A. 1994. Lake Champlain Sediment Toxics Assessment Program: An assessment of sediment-associated contaminants in Lake Champlain-phase 1. For the Lake Champlain Basin Program.

McKinney, J.D., and C.L. Waller. 1994. Polychlorinated biphenyls as hormonally active structural analogues. Environ. Health Perspect. 102(3):290-297.

McNutt, T.L., and C. Harris. 1993. Lindane embryotoxicity and differential alteration of cysteine and glutathione levels in rat conceptuses in vitro. Abstract. Teratology 47(5):427.

McVeety, B.D., and R.A. Hites. 1988. Atmospheric deposition of polyaromatic hydrocarbons to water surfaces: A mass balance approach. Atmos. Environ. 22:511-536.

Meera, P., P.R. Rao, R. Shanker, and O. Tripathi. 1992. Immunomodulatory effects of gamma-HCH (lindane) in mice. Immunopharmacol. Immunotoxicol. 14(1-2):261-282.

Melillo, J.M., P.A. Steudler, J.D. Aber, and R.D. Bowden. 1989. Atmospheric deposition and nutrient cycling. In: Exchange of trace gases between terrestrial ecosystems and the atmosphere, M.O. Andreae, and D.S. Schimel, eds. Rep. of Dahlem workshop on exchange of trace gases between terrestrial ecosystems and the atmosphere, Berlin 1989. Great Britain: Wiley-Interscience Publication.

Mendola, P., G.M. Buck, J.E. Vena, M. Zielezny, and L.E. Sever. 1995. Consumption of PCB-contaminated sport fish and risk of spontaneous fetal death. Environ. Health Perspect. 103(5):498-502.

Menzie-Cura & Associates, Inc. 1991. Sources and loadings of pollutant to the Massachusetts Bays. Report to the Massachusetts Bay Program. Pub. No. 17196-350-20-9/92. November 1991.

Michigan Department of Natural Resources (MDNR). 1993. Mercury in Michigan's environment: Environmental and human health concerns. A science report to Governor John Engler. R.D. Sills, Michigan Environment Science Board, Lansing, MI.

Miller, D.R., N.P. Nikolaidis, L.H. Yang, M.A. Geigert, J. Heitert, and H.M. Chen. 1993. Technical report on the Long Island Sound atmospheric deposition project. Prepared for Connecticut DEP. Storrs, CT.

Milne, P.J., and R.G. Zika. 1993. Amino acid nitrogen in atmospheric aerosols: Occurrence, sources, and photochemical modification. J. Atmos. Chem. 16:361-398.

Mushak, P., J.M. Davis, A.F. Crocetti, and L.D. Grant. 1989. Prenatal and postnatal effects of low-level lead exposure: Integrated summary of a report to the U.S. Congress on childhood lead poisoning. Environ. Res. 50:11-36.

Nagata, K., B.J. Hamilton, D.B. Carter, and T. Narahashi. 1994. Selective effects of dieldrin on the GABA receptor-channel subunits expressed in human embryonic kidney cells. Brain Res. 645(1-2):19-26.

Naimo, T.J., G.J. Atchison, and L.E. Holland-Bartels. 1992. Sublethal effects of cadmium on physiological responses in the pocketbook mussel, Lampsilis ventricosa. Environ. Toxicol. Chem. 11(7):1013-1021.

National Oceanic and Atmospheric Administration (NOAA) and Massachusetts Department of Environmental Management (MA DEM). 1996. The ecology of the Waquoit Bay Estuarine Research Reserve. Geist, M.A., ed. Prepared for the Office of Coastal Resource Management, Sanctuaries and Reserves Division, NOAA, and MA DEM, Forest and Parks, Region I.

National Wildlife Federation (NWF). 1993. Our priceless Great Lakes: Benefits of the Great Lakes water quality initiative. Great Lakes Natural Resource Center, Ann Arbor, Michigan. June 4, 1993.

National Wildlife Federation (NWF). 1994. Fertility on the brink: The legacy of the chemical age. Washington, D.C.

Nature Conservancy, The. 1994. The conservation of biological diversity in the Great Lakes ecosystem: Issues and opportunities. The Nature Conservancy, Great Lakes Program, Chicago, Illinois.

Nelson, E.D., J.E. Baker, L.L. McConnell, and C.P. Rice. 1995. Air-water exchange of combustion-derived polycyclic aromatic hydrocarbons over the Chesapeake Bay: Temporal and spatial variability. 38th Conference of the International Association for Great Lakes Research.

New York-New Jersey Harbor Estuary Program, Including the Bight Restoration Program. 1995. Proposed Comprehensive Conservation and Management Plan. February 1995.

Nixon, S.W., S.L. Granger, and B.L. Nowicki. 1995. An assessment of the annual mass balance of carbon, nitrogen, and phosphorus in Narragansett Bay. Biogeochem. 31:15-61.

Northern Virginia Planning District Commission (NVPDC). 1983. Chesapeake Bay basin model. Prepared for U.S. EPA Chesapeake Bay Program, Annapolis, MD.

Norton, S.A., J.S. Kahl, I.J. Fernandez, L.E. Rustad, J.P. Scofield, and T.A. Haines. 1994. Response of the West Bear Brook watershed, Maine, USA, to the addition of  $(NH_4)_2SO_4$ : 3-year results. Forest Ecology and Management 68:61-73.

O'Connor, T.P. 1992. Mussel watch recent trends in coastal environmental quality. National Status and Trends Program, National Oceanic and Atmospheric Administration. August 1992.

O'Connor, T.P, and B. Beliaeff. 1995. Recent trends in coastal environmental quality: Results from the Mussel Watch Project. National Status and Trends Program, National Oceanic and Atmospheric Administration, June 1995.

Owens, N.J.P., J.N. Galloway, and R.A. Duce. 1992. Episodic atmospheric nitrogen deposition to oligotrophic oceans. Nature 357:397-399.

Paerl, H.W. 1985. Enhancement of marine primary production by nitrogen-enriched acid rain. Nature 315:747-49.

Paerl, H.W. 1988. Nuisance phytoplankton blooms in coastal, estuarine, and inland waters. Limnol. Oceanogr. 33:823-47.

Paerl, H.W., J. Rudek, and M.A. Mallin. 1990. Stimulation of phytoplankton production in coastal waters by natural rainfall inputs: Nutritional and trophic implications. Marine Biol. 107:247-54.

Paerl, H.W., and M.L. Fogel. 1994. Isotopic characterization of atmospheric nitrogen inputs as sources of enhanced primary production in coastal Atlantic Ocean waters. Marine Biol. 119:635-645.

Paerl, H.W. 1995. Coastal eutrophication in relation to atmospheric nitrogen deposition: Current perspectives. Ophelia 41:237-259.

Paerl, H.W, C. Aguilar, and M.L. Fogel. 1997 (in press). Atmospheric nitrogen deposition in estuarine and coastal waters: Biogeochemical and water quality impacts. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Palmer, B.D., and S.K. Palmer. 1995. Vitellogenin induction by xenobiotic estrogens in the redeared turtle and African clawed frog. Environ. Health Perspect. 103(Suppl. 4):19-25.

Pankow, J.F. 1987. Review and comparative analysis of the theories on partitioning between the gas and aerosol particulate phases in the atmosphere. Atmos. Environ. 21:2275-2283.

Parent-Massin, D., and D. Thouvenot. 1993. In vitro study of pesticide hematotoxicity in human and rat progenitors. Journal of Pharmacological and Toxicological Methods 30(4):203-207.

Pearce, B., N. Pettigrew, and B. Gong. 1994. Casco Bay Maine-Circulation Modeling. University of Maine for Casco Bay Estuary Project. Draft.

Pechan, E.H. 1991. Background documentation of SO<sub>2</sub> and NO<sub>x</sub> forecasts. E.H. Pechan and Associates, Springfield, VA. EPA Contract No. 68-D00120.

Peconic Bay NEP. Personal communication with National Oceanic and Atmospheric Administration (NOAA). As cited in Valigura et al. 1996.

Petty, J.D., T.R. Schwartz, and D.L. Stalling. 1987. Gas chromatographic residue patterns of toxaphene in fish samples from the Great Lakes and from rivers of the southeastern United States. In: New Approaches to Monitoring Aquatic Ecosystems, T.P. Boyle, ed. American Society for Testing and Materials ASTM STP 940.

Pirrone, N., and G.J. Keeler. 1997 (in press). Modeling atmospheric deposition and gas exchange of hazardous air pollutants over Lake Michigan. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Poster, D.L., and J.E. Baker. 1996a. Influence of submicron particles on hydrophobic organic contaminants in precipitation. 1. Concentrations and distributions of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in rainwater. Environ. Sci. Technol. 30(1):341-348.

Poster, D.L., and J.E. Baker. 1996b. Influence of submicron particles on hydrophobic organic contaminants in precipitation. 2. Scavenging of polycyclic aromatic hydrocarbons by rain. Environ. Sci. Technol. 30(1):349-354.

Pulich, Jr., W., W.A. White, M. Castiglione, and R.J. Zimmermann. 1991. Status of submerged vegetation in Galveston Bay system. Proceedings: Galveston Bay Characterization Workshop; February 21-23, 1991. Galveston Bay National Estuary Program Report. GBNEP-6, February 1991 (reprinted March 1992).

Rapaport, R.A., and S.J. Eisenreich. 1986. Atmospheric deposition of toxaphene to eastern North America derived from peat accumulation. Atmos. Environ. 20:2367-2379.

Rehana, T., and P.R. Rao. 1992. Effect of DDT on the immune system in Swiss albino mice during adult and perinatal exposure humoral responses. Bull. Environ. Contam. Toxicol. 48(4):535-540.

Ribick, M.A., G.R. Dubay, J.D. Petty, D.L. Stalling, and C.J. Schmitt. 1982. Toxaphene residues in fish: Identification, quantification, and confirmation at part per billion levels. Environ. Sci. Technol. 16:310-318.

Ridal, J.J., B. Kerman, L. Durham, and M.E. Fox. 1996. Seasonality of air-water fluxes of hexachlorocyclohexanes in Lake Ontario. Environ. Sci. Technol. 30:852-858.

Rivedal, E., H. Yamasaki, and T. Sanner. 1994. Inhibition of gap junctional intercellular communication in Syrian hamster embryo cells by TPA, retinoic acid and DDT. Carcinogenesis 15(4):689-694.

Rivera, S., C. Sanfeliu, and E. Rodriguez-Farre. 1992. Changes in regional brain 2[14C] deoxyglucose uptake induced in postnatal developing rats by single and repeated nonconvulsant doses of lindane. Pestic. Biochem. Physiol. 43(3):241-252.

Roelke, M.E., D.P. Schultz, C.F. Facemire, S.F. Sundlof, and H.E. Royals. 1991. Mercury contamination in Florida panthers. A report of the Florida Panther Technical Subcommittee to the Florida Panther Interagency Committee.

Rogan, W.J., and B.C. Gladen. 1992. Neurotoxicity of PCBs and related compounds. Neurotoxicology 13:27-35.

Ross, P.S., R.L. De Swart, P.J.H. Reijnders, H. Van Loveren, J.G. Vos, and A.D.M.E. Osterhaus. 1995. Contaminant-related suppression of delayed-type hypersensitivity and antibody responses in harbor seals fed herring from the Baltic Sea. Environ. Health Perspect. 103(2):162-167.

Saboori, A.M., and D.S. Newcombe. 1992. Environmental chemicals with immunotoxic properties. In: Clinical immunotoxicology, D.S. Newcombe, N.R. Rose, and J.C. Bloom, eds. New York, NY: Raven Press:365-400.

Safe, S.H. 1995. Do environmental estrogens play a role in development of breast cancer in women and male reproductive problems? Human and Ecological Risk Assessment 1(2):17-23.

Sager, D.B., and D.M. Girard. 1994. Long-term effects on reproductive parameters in female rats after translactational exposure to PCBs. Environ. Research 66:52-74.

Saha, S., and B.D. Banerjee. 1993. Effect of sub-chronic lindane exposure on humoral and cell-mediated immune responses in albino rats. Bull. Environ. Contam. Toxicol. 51(6):795-802.

Santa Monica Bay Restoration Project (SMBRP). 1994. 1993 State of the Bay: Characterization study of the Santa Monica Bay restoration plan. SMBRP, Monterey Park, CA. January 1994.

Sarasota Bay NEP. 1995. As reported in Coastlines 5(1):4. Winter 1995.

Scherbatskoy, T., J.M. Burke, A.W. Rea, and G.J. Keeler. 1997 (in press). Atmospheric mercury deposition and cycling in the Lake Champlain basin of Vermont. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Scheuhammer, A.M. 1987. The chronic toxicity of aluminum, cadmium, mercury, and lead in birds: A review. Environ. Pollut. 46:263-295.

Scheuhammer, A.M. 1991. Effects of acidification on the availability of toxic metals and calcium to wild birds and mammals. Environ. Pollut. 71:329-375.

Schielen, P., W. Schoo, J. Tekstra, H.H.A. Oostermeijer, W. Sienen, and N. Bloksma. 1993. Autoimmune effects of hexachlorobenzene in the rat. Toxicol. Appl. Pharmacol. 122(2):233-243.

Schlegel, H., D.L. Godbold, and A. Huttermann. 1987. Whole plant aspects of heavy metal induced changes in CO<sub>2</sub> uptake and water relations of spruce (Picea abies) seedlings. Physiol. Plant. 69:265-270.

Schmitt, C.J., J.L. Ludke, and D.F. Walsh. 1981. Organochlorine residues in fish: National pesticide monitoring program, 1970-1974. Pest. Monit. J. 14(4):136-55.

Schmitt, C.J., J.L. Zajicek, and M.A. Ribick. 1985. National pesticide monitoring program: Residues of organochlorine chemicals in freshwater fish, 1980-1981. Arch. Environ. Contam. Toxicol. 14:225-260.

Schmitt, C.J., J.L. Zajicek, and P.H. Peterman. 1990. National contaminant biomonitoring program: Residues of organochlorine chemicals in U.S. freshwater fish, 1976-1984. Arch. Environ. Contam. Toxicol. 19:748-781.

Schulz, R., and M. Liess. 1995. Chronic effects of low insecticide concentrations in freshwater caddisfly larvae. Hydrobiologia 299(2):103-113.

Scudlark, J.R., and T.M. Church. 1993. Atmospheric input of inorganic nitrogen to Delaware Bay. Estuaries 16(4):747-759.

Scudlark, J.R., and T.M. Church. 1997 (in press). Atmospheric deposition of trace elements to the mid-Atlantic bight. In: Atmospheric deposition of contaminants to the Great Lakes and coastal

waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.

Sheffy, T.B., and J.R. St. Amant. 1982. Mercury burdens in furbearers in Wisconsin. J. Wildl. Manage. 46:1117-1120.

Silberhorn, E.M., W.J. Birge, D.J. Price, and L.W. Robertson. 1992. Comparative developmental toxicity of PCB congeners in a fish embryo-larval assay. Abstract. Toxicologist 12:424.

Simcik, M.F., S.J. Eisenreich, K.A. Golden, S. Liu, E. Lipiatou, D.L. Swackhamer, and D.T. Long. 1996. Atmospheric loading of polycyclic aromatic hydrocarbons to Lake Michigan as recorded in sediments. Environ. Sci. Technol. 30:3039-3046.

Singh, A., W. Foster, and D. Villeneuve. 1992. Hexachlorobenzene-induced alterations in the ovary of rats. Abstract. Anat. Rec. 232(4):83a.

Sirois, A., and L.A. Barrie. 1988. An estimate of the importance of dry deposition as a pathway of acidic substances from the atmosphere to the biosphere in eastern Canada. Tellus 40B:59-80.

Sitarz, W., D.T. Long, A. Heft, S.J. Eisenreich, and D.L. Swackhamer. 1993. Accumulation and preliminary inventory of selected trace metals in Great Lakes sediments. Sixteenth Midwest Environmental Chemistry Workshop--Sediments. October 17-18, 1993.

Skinner, L.C., S.J. Jackling, G. Kimber, J. Waldman, J. Shastay, Jr., and A.J. Newell. 1996. Chemicals in fish, shellfish, and crustaceans from the New York-New Jersey harbor estuary: PCB, organochlorine pesticides, and mercury. New York State Department of Environmental Conservation. November 1996.

Skinner, L., S.L. Jacking, and R.W. Karcher. 1994. Identification of and changes in chemical contaminant levels in young-of-the-year fish from New York's Great Lakes basin. New York State Department of Environmental Conservation. Technical Report 94-4 (BEP). August 1994.

Smullen, J.T., J.L. Taff, and J. Macknis. 1982. Nutrient and sediment loads to the tidal Chesapeake Bay system. In: U.S. EPA Chesapeake Bay Program technical studies: A synthesis. Annapolis, MD.

Soto, A.M., K.L. Chung, and C. Sonnenschein. 1994. The pesticides endosulfan, toxaphene, and dieldrin have estrogenic effects on human estrogen-sensitive cells. Environ. Health Perspect. 101(6):380-383.

Stacey, P.E. 1996. Nitrogen and organic carbon loads to Long Island Sound. Draft Long Island Sound Study report, Connecticut DEP, Hartford, CT. November 1996.

Stern, G.A., D.C.G. Muir, J.B. Westmore, and W.D. Buchannon. 1993. Mass spectrometric studies of the toxaphene components 2-exo,3-endo,5-exo,6-endo,8,8,10,10-octachlorobornane (T2) and 2-exo,3-endo,5-exo,6-endo,8,8,9,10,10-nonachlorobornane (T12). Biol. Mass. Spectrum 22:19-30.

Stoddard, J.L. 1994. Long-term changes in watershed retention of nitrogen: Its causes and aquatic consequences. In: Environmental Chemistry of Lakes and Reservoirs, Advances in Chemistry Series No. 237, J.E. Baker, ed. American Chemical Society, Washington D.C.

Stow, C., S. Carpenter, L. Eby, J.F. Amrhein, and R.J. Hesselberg. 1995. Evidence that PCBs are approaching stable concentrations in Lake Michigan fishes. Ecological Applications 5:248-260.

Strachan, W.M.J., and S.J. Eisenreich. 1988. Mass balancing of toxic chemicals in the Great Lakes: The role of atmospheric deposition. International Joint Commission, Windsor, Ontario, Canada.

Strobel, C., S.J. Benyi, D.J. Keith, H.W. Buffum, E.A. Petrocelli, N.I. Rubinstein, and B. Melzian. 1994. EMAP-Estuaries Virginian Province-1992: Statistical summary. EPA/620/R-94/019.

Suffolk County (NY) Department of Health Services. November 1992. Brown tide comprehensive assessment and management program summary.

Sumpter, J.P., and S. Jobling. 1995. Vitellogenesis as a biomarker for estrogenic contamination of the aquatic environment. Environ. Health Perspect. 103(Suppl 7):173-178.

Suplee, C. 1996. Environmental estrogens may pose greater risk, study shows. Washington Post, June 7, 1996, p. A4.

Svensson, B-A, A. Nilsson, M. Hansson, C. Rappe, B. Åkesson, and S. Skerfving. 1991. Exposure to dioxins and dibenzofurans through the consumption of fish. N. Engl. J. Med 324:8-12.

Swain, W., T. Colborn, C. Bason, R. Howarth, L. Lamey, B. Palmer, and D. Swackhamer. 1992a. Exposure and effects of airborne contamination. EPA-453/R-94-085.

Swain, E.B., D.A. Engstrom, M.E. Brigham, T.A. Henning, and P.L. Brezonik. 1992b. Increasing rates of atmospheric mercury deposition in midcontinental North America. Science 257:784-787.

Sweet, C.W., and I. Basu. 1994. Atmospheric deposition of toxic pollutants to Lake Michigan from urban areas. In: Proceedings of the 87th Annual Meeting of the Air and Waste Management Association. Pittsburgh, PA.

Sweet, C.W., and K.S. Harlin. 1996. Toxic PAHs in airborne particles and precipitation collected near the Great Lakes. Presented at the Annual Meeting of the Air and Waste Management Association; June 17, 1996; Nashville, TN.

Tampa Bay NEP. Personal communication with National Oceanic and Atmospheric Administration (NOAA). As cited in Valigura et al. 1996.

Tateno, C., S. Ito, M. Tanaka, M. Oyamada, and A. Yoshitake. 1994. Effect of DDT on hepatic gap junctional intercellular communication in rats. Carcinogenesis 15(3):517-521.

Theofanous, T.G. 1984. Conceptual models of gas exchange. In: Gas transfer at water surfaces, G.H. Jirka, ed. Hingham, MA: D. Reidel Publishers:271-282.

Thomann, R.V., J.R. Collier, A. Butt, E. Casman, and L.C. Linker. 1994. Response of the Chesapeake Bay water quality model to loading scenarios. Chesapeake Bay Program Office, Annapolis, MD. CBP/TRS 101/94.

Tidou, A.S., J-C. Moreteau, and F. Ramade. 1992. Effects of lindane and deltamethrin on zooplankton communities of experimental ponds. Hydrobiologia 232:157-168.

Trust, K.A., A. Fairbrother, and M.J. Hooper. 1994. Effects of 7,12-dimethylbenz[a]anthracene on immune function and mixed-function oxygenase activity in the European starling. Environ. Toxicol. Chem. 13(5):821-830.

Turekian, K.K., and K.H. Wedepohl. 1961. Distribution of the elements in some major units of the Earth's crust. Geol. Soc. Amer. Bull. 72:175-192.

Tyler, M. 1988. Contributions of atmospheric nitrate deposition to nitrate loadings in the Chesapeake Bay. Maryland Department of Natural Resources. Report RP 1952, VERSAR, Inc.

Uddameri, V., S.A. Norton, J.S. Kahl, and J.P. Scofield. 1995. Randomized intervention analysis of the response of the West Bear Brook watershed, Maine to chemical manipulation. Water Air Soil Pollut. 79:131-146.

U.S. EPA. 1983. Chesapeake Bay: A framework for action. Annapolis, Maryland.

U.S. EPA. 1985. Ambient water quality criteria for mercury - 1984. Office of Water, Washington, D.C. EPA/440/5-84/026.

U.S. EPA. 1986. Quality Criteria for Water 1986. Office of Water, Washington, D.C. EPA 440/5-86-001.

U.S. EPA. 1987a. Health Effects Assessment for dieldrin. Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, U.S. EPA.

U.S. EPA. 1987b. Health Effects Assessment for toxaphene. Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, U.S. EPA.

U.S. EPA. 1988. Health Effects Assessment for chlordane. Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, U.S. EPA.

U.S. EPA. 1989. Health Effects Assessment for DDT. Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, U.S. EPA.

U.S. EPA. 1990. Reportable quantity (RQ) document for lead. Environmental Criteria and Assessment Office, Cincinnati, OH. ECAO-CIN-R134A.

U.S. EPA. 1991a. Health Effects Assessment (HEA) summary tables. Office of Health and Environmental Assessment. Environmental Criteria and Assessment Office, Cincinnati, OH. Prepared for OSWER OERR, Washington, D.C. OERR 9200.6-303(91-1).

U.S. EPA. 1991b. Technical support document on lead (draft). Office of Health and Environmental Assessment, Washington, D.C. ECAO-CIN-757.

- U.S. EPA. 1992. Tribes at risk: The Wisconsin Tribes comparative risk project. Regional and State Planning Branch, Office of Policy, Planning, and Evaluation. EPA 230-R-92-017. As cited in ICF's draft report entitled Social Costs of Mercury Pollution, April 1994.
- U.S. EPA. 1993a. Interim report on data and methods for assessment of 2,3,7,8-tetrachlorodibenzo-p-dioxin risks to aquatic life and associated wildlife. Environmental Research Laboratory, Office of Research and Development. EPA/600/R-93/055. March 1993.
- U.S. EPA. 1993b. Workshop report on developmental neurotoxic effects associated with exposure to PCBs. Research Triangle Park, NC. EPA/630/R-92/004. May 1993.
- U.S. EPA. 1993c. Great Lakes water quality initiative criteria documents for the protection of aquatic life in ambient waters. Office of Water, U.S. EPA, Washington, D.C.
- U.S. EPA. 1993d. Integrated Risk Information System (IRIS). Online. ORD, Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH.
- U.S. EPA. 1993e. Regional interim emission inventories (1987-1991), Volume II: Emission summaries. Office of Air Quality Planning and Standards, Research Triangle Park, NC. EPA Report 454/R-93-021b.
- U.S. EPA. 1994a. Deposition of air pollutants to the Great Waters, First Report to Congress. Prepared for the Office of Air Quality Planning and Standards, U.S. EPA. Research Triangle Park, NC. EPA-453/R-93-055.
- U.S. EPA. 1994b. Guidance manual for the integrated exposure uptake biokinetic model for lead in children. EPA/540/R-93/081. February 1994.
- U.S. EPA. 1994c. Health assessment document for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and related compounds (three volumes). External review draft. EPA/600/BP-92/001c.
- U.S. EPA. 1994d. Estimating exposure to dioxin-like compounds (three volumes). External review draft. EPA/600/6-88/005Ca.
- U.S. EPA. 1995a. Water quality guidance for the Great Lakes System: Supplementary Information Document (SID). U.S. EPA, Office of Water EPA-820-B-95-001. March 1995.
- U.S. EPA. 1995b. Endocrine disrupter workshop fact sheet and report introduction. National Health and Ecological Effects Research Laboratory, U.S. EPA, Research Triangle Park, NC.
- U.S. EPA. 1995c. Review of national ambient air quality standards for nitrogen dioxide: Assessment of scientific and technical information. OAQPS Staff Paper, EPA 452/R-95-005. September 1995.
- U.S. EPA. 1995d. Acid deposition standard feasibility study: Report to Congress. EPA 430-R-95-001a. October 1995.
- U.S. EPA. 1995e. Proposed Decision of NO<sub>2</sub> NAAQS. 60 Federal Register 52874, Proposed Rules, October 11, 1995.

- U.S. EPA. 1995f. Transport/deposition model for Tampa Bay, Florida. Workplan information from John Ackermann, Office of Air Quality Planning and Standards, U.S. EPA.
- U.S. EPA. 1995g. Air toxics deposition modeling in Galveston Bay, Texas. Workplan information from John Ackermann, Office of Air Quality Planning and Standards, U.S. EPA.
- U.S. EPA. 1995h. Regulatory impact analysis of the final Great Lakes Water Quality Guidance. Final Report. Prepared for the Office of Science and Technology, U.S. EPA, Washington, D.C. March 1995.
- U.S. EPA. 1996a. Guidance for assessing chemical contaminant data for use in fish advisories. Volume III: Overview of risk management. Office of Water, U.S. EPA, Washington, D.C. June 1996. EPA 823-B-96-006.
- U.S. EPA. 1996b. National listing of fish and wildlife consumption advisories. Version 2.1. Office of Science and Technology, U.S. EPA. EPA 823-C-96-011.
- U.S. EPA. 1996c. Proceedings: Workshop on toxaphene in the Great Lakes: Concentrations, trends, and pathways. Howard Zar, U.S. EPA/Region V. September 1996.
- U.S. EPA. 1996d. Special report on environmental endocrine disruption: An effects assessment and analysis document. Prepared for the Risk Assessment Forum, U.S. EPA. Washington, D.C. EPA/630/R-96/012.
- U.S. EPA. 1996e. Study of hazardous air pollutant emissions for electric utility steam generating units -- interim final report. Office of Air Quality Planning and Standards, Research Triangle Park, NC. EPA-453/R-96-103abc.
- U.S. EPA. 1996f. Ecological risk assessment for watersheds: Waquoit Bay nitrogen loading model development and results. Final report for Office of Science and Technology, U.S. EPA, Washington, D.C. September 1996.
- U.S. EPA. 1997. Nitrogen oxides impacts on public health and the environment. Staff working draft. March 1997.
- U.S. EPA and Environment Canada. 1994. Progress in Great Lakes remedial action plans: Implementing the ecosystem approach in Great Lakes areas of concern. EPA 905-R-24-020. September 1994.
- U.S. EPA and Environment Canada. 1997. The Great Lakes binational toxics strategy: Canada-United States strategy for the virtual elimination of persistent toxics substances in the Great Lakes. April 7, 1997.
- U.S. Fish and Wildlife Service (FWS). 1993. National survey of fishing, hunting, and wildlife-associated recreation.
- Valiela, I., G. Collins, J. Kremer, K. Lajtha, M. Geist, B. Seely, J. Brawley, and C.-H. Cham. 1996. Nitrogen loading from coastal watershed to receiving waters: Review of methods and calculations of loading to Waquoit Bay. Ecol. Appl. 7(2):358-380.

Valigura, R.A. 1995. Iterative bulk exchange model for estimating air-water transfer of  $HNO_3$  J. Geophys. Res. 100:26045-26050.

Valigura, R.A., J.E. Baker, J.R. Scudlark, and L.L. McConnell. 1995. Atmospheric deposition of nitrogen and contaminants to Chesapeake Bay and its watershed. In: Perspectives on Chesapeake Bay, 1994: Advances in estuarine sciences, S. Nelson and P. Elliott, eds. Chesapeake Research Consortium, Edgewater, MD.

Valigura, R.A., W.T. Luke, R.S. Artz, and B.B. Hicks. 1996. Atmospheric nutrient input to coastal areas: Reducing the uncertainties. NOAA Coastal Ocean Program Decision Analysis Series No. 9. June 1996.

Velinsky, D.J., T.L. Wade, and G.T.F. Wong. 1986. Atmospheric deposition of organic carbon to Chesapeake Bay. Atmos. Environ. 20(5):941-947.

Wade, T.L., T.J. Jackson, L. Chambers, and P. Gardinali. 1995. Assessment of butyltins, PCDD/PCDF and planar PCB contaminants in sediments from Casco Bay, Maine, USA. Prepared for the Casco Bay Estuary Project.

Walcek, C.J., and J.S. Chang. 1987. A theoretical assessment of pollutant deposition to individual land types during a regional-scale acid deposition episode. Atmos. Environ. 21:1107-1113.

Wallace, J.C., L.P. Brzuzy, S.L. Simonich, S.M. Visscher, and R.A. Hites. 1996. Case study of organochlorine pesticides in the indoor air of a home. Environ. Sci. Technol. 30:2715-2718.

Wania, F., and D. Mackay. 1993. Global fractionation and cold condensation of low volatility organochlorine in polar regions. Ambio 22:10-18.

Wania F., and D. Mackay. 1996. Tracking the distribution of persistent organic pollutants. Environ. Sci. Technol. 30(9):390A-396A

Webber, D.B. 1993. Aerial flux of particulate hydrocarbons to the Chesapeake Bay estuary. Mar. Poll. Bull. 14:416-421.

Weber, D. 1993. Exposure to sublethal levels of waterborne lead alters reproductive behavior patterns in fathead minnows (Pimephales promelas). Neurotoxicology 14(23):347-358.

Weinstein, J.E., T.L. West, and J.T. Bray. 1992. Shell disease and metal content of blue crabs, Callinectes sapidus, from the Albemarle-Pamlico estuarine system, North Carolina. Arch. Environ. Contam. Toxicol. 23:355-362.

Weiss, R. January 25, 1994. Estrogen in the environment. Washington Post, Health Supplement, p. 10.

Weiss, R., and G. Lee. 1996. Pollution's effect on human hormones: When fear exceeds evidence. Washington Post, March 31, 1995, p. A14.

Weseloh, D.V.C., and P.J. Ewins. 1994. Characteristics of a rapidly increasing colony of double-crested cormorants (Phalacrocorax auritus) in Lake Ontario: Population size, reproductive parameters and band recoveries. J. Great Lakes Res. 20(2):443-456.

Weseloh, D.V.C., P.J. Ewins, J. Struger, P. Mineau, and R.J. Norstrom. 1994. Geographical distribution of organochlorine contaminants and reproductive parameters in herring gulls on Lake Superior. Environmental Monitoring and Assessment 29:229-251.

West, P.C., J.M. Fly, R. Marans, and D. Rosenblatt. 1993. Minorities and toxic fish consumption: Implications for point discharge policy in Michigan. Prepared for the Michigan Great Lakes Protection Fund. As cited in the Regulatory Impact Analysis of the Final Great Lakes Water Quality Guidance, March 1995.

White, D.H., and D.J. Hoffman. 1995. Effects of polychlorinated dibenzo-p-dioxins and dibenzofurans on nesting wood ducks (Aix sponsa) at Bayou Meto, Arkansas. Environ. Health Perspect. 103(Suppl. 4):37-39.

Whitman, W.G. 1923. The two-film theory of gas absorption. Chem. Metall. Eng. 29:146-148.

Wobeser, G., and M. Swift III. 1976. Mercury poisoning in wild mink. J. Wildl. Diseas. 12:335-340.

Woin, P., and C. Bronmark. 1992. Effect of DDT and MCPA on reproduction of the pond snail, Lymnaea stagnalis L. Bull. Environ. Contam. Toxicol. 48:7-13.

World Health Organization (WHO). 1992. Environmental Health Criteria 134: Cadmium. World Health Organization, Geneva.

Wren, C.D. 1985. Probable cause of mercury poisoning in wild otter, Lutra canadensis, in northwestern Ontario. Can. Field Nat. 99:112-114.

Wu, Z.Y., M. Han, Z.C. Lin, and J.M. Ondov. 1994. Chesapeake Bay atmospheric deposition study, year 1: Sources and dry deposition of selected elements in aerosol particles. Atmos. Environ. 28:1471-1486.

Yamashita, N., S. Tanabe, J.P. Ludwig, H. Kunta, M.E. Ludwig, and R. Tatsukawa. 1993. Embryonic abnormalities and organochlorine contamination in double-crested cormorants (Phalacrocorax auritus) and Caspian terns from the Upper Great Lakes in 1988. Environ. Pollut. 79(2):163-173.

Zarbock, P.E., A. Janicki, D. Wade, D. Higmuch, and H. Wilson. 1994. Estimates of total nitrogen, total phosphorus, and total suspended solids loadings to Tampa Bay, Florida. Coastal Environmental Inc. for the Tampa Bay Estuary Program.

Zemba, S. 1995. Atmospheric deposition of nitrogen compounds to the Massachusetts Bays. Draft. Prepared for the Massachusetts Bays Program Office, Boston, MA.

Zufall, M.J., and C.I. Davidson. 1997 (in press). Dry deposition of particles to water surfaces. In: Atmospheric deposition of contaminants to the Great Lakes and coastal waters, J.E. Baker, ed. Society for Environmental Toxicology and Chemistry (SETAC) Press, Pensacola, FL.